



Local level Actor motivation for long term healthy riverine habitat management. Experience in Latvia.

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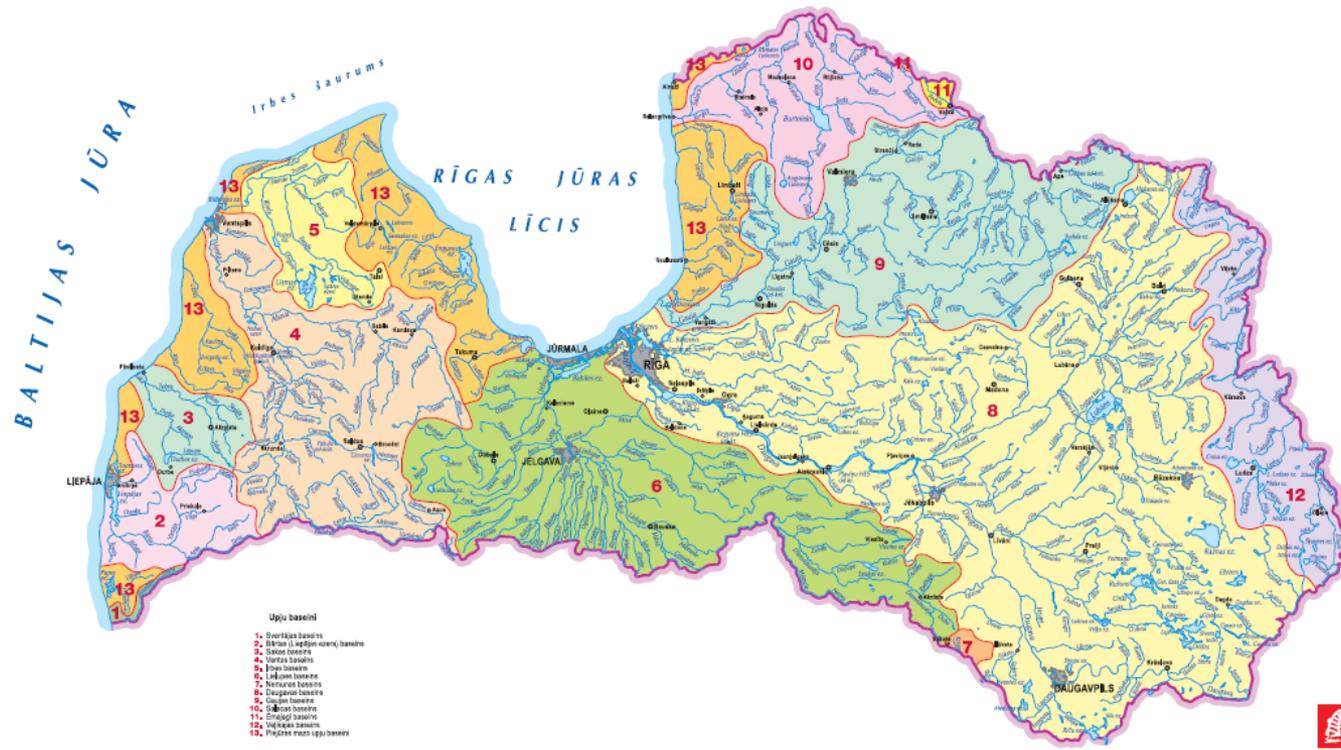


Topics covered

- **How to tune Project aims and Local Actor interests,**
- **How to find Joint Interest Point (Examples),**
- **How to keep the River management Idea without costly Projects.**

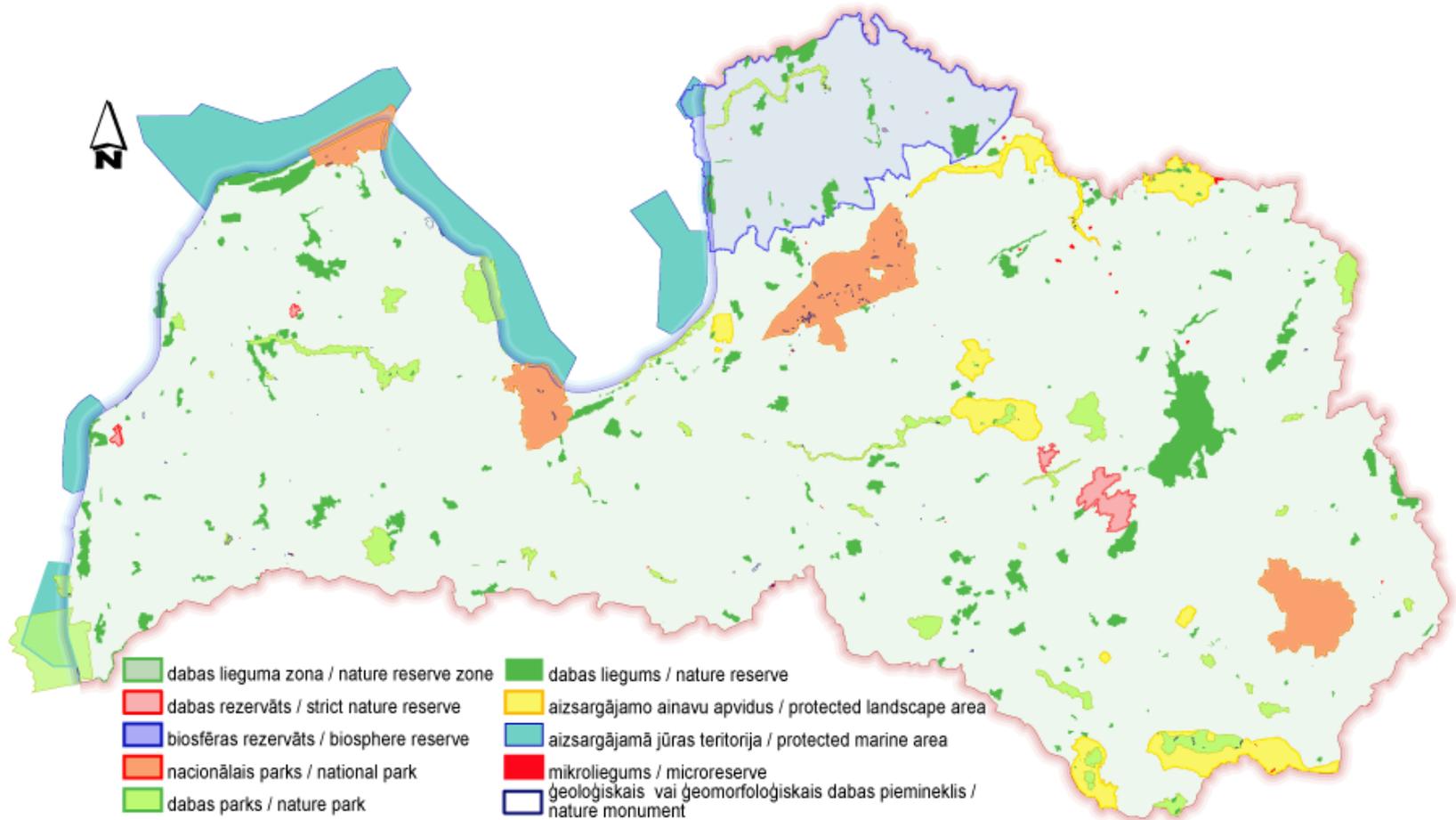


Pattern of Latvian River Network





N2000 and Protected Areas in Latvia





Rivers of concern. Typical appearance of medium size river in Latvia.





Problems: Eutrophication, Sedimentation, Tunnelling/Fallen trees, Beavers





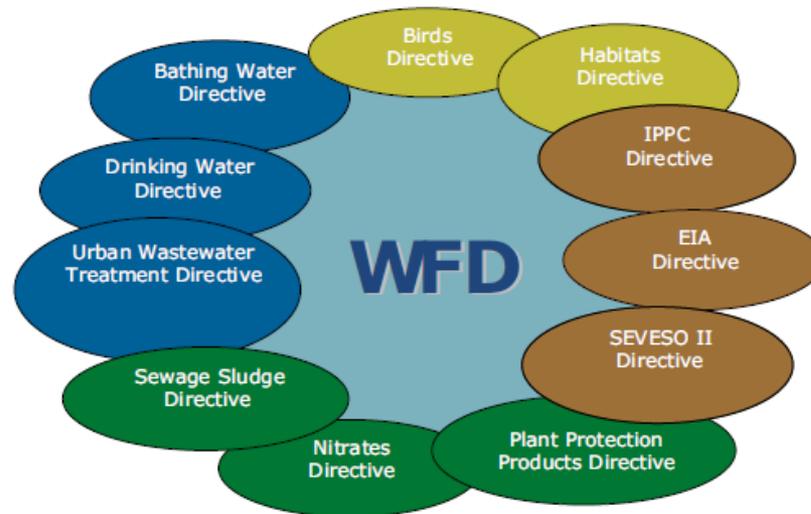
Background:

- **Private ownership of majority of rivers**
- **Two river banks, two owners, two KINGS...**
- **Rivers as an open systems.**



Interrelations of Different Interests

Directives containing measures included in the programme of measures.



- water related directives
- pressures related directives
- procedural directives
- protection of biodiversity in relation to water related measures



Approaching the local Stakeholder

- Explain Your Message in a way that Your activity is adding value to owners property (water quality in broad term);**
- Translate Your idea in Terms, that is important for Stakeholder,**



Actors

- **Fishermen Associations**
- **NGOs**
- **Water tourism activists and developers**
- **Local landowners**
- **Local Municipalities**



Reopening migration for fish, invertebrates and canoeists. Activities of Salacgriva fishermen Club in River Vitrupe





Pragmatic interest of Water Tourists to join (photo from www.laivas.lv)



Involvement of NGOs in Restoration Activities (R.Jaunupe)





Making Fun with visible Result.

N2000, R.Vitrupe, 29.07.2014.



Involvement of local people in small activities in "their" river





Each age has something to do





Local Restoration Activity becomes an Event





Involve Local people and their knowledge





Involve local “Opinion Leaders” Head of Jelgava parish in Action



5 cleanups initiated by the Jelgava parish with follow-up in other rivers in 2013, one activity in 2014





Rauna municipality - 5 activities for Biodiversity and water tourism, 2014

Photo S.Lakina



Mineral Water company "Mangali" supports 5 clean-ups, 2012





Educational "side" Activities





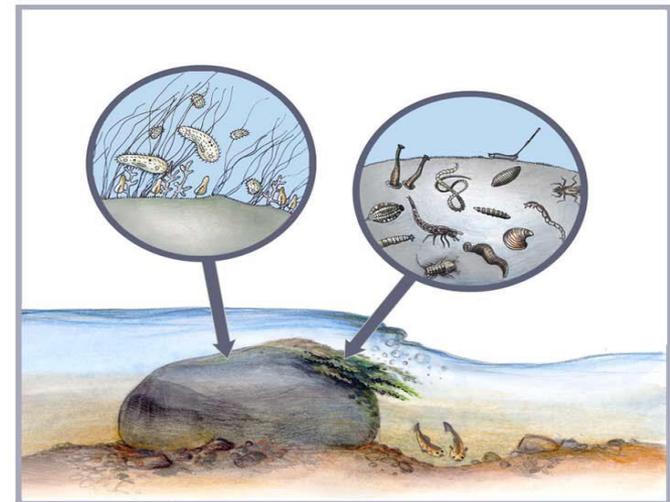
Initiative "Place a Stone in a Stream"





Stone Phenomenon

- **Stones as a diverse microhabitats**
- **Stone surface covered with “biofilm” acting as wastewater treatment unit**
- **Stones as an mechanical aerators (especially during summer periods with low natural oxygen saturation)**
- **Possible/innovative Climate Change adaptation tool.**





5 – 10 sq.m riffle area transforms wastes generated by one person



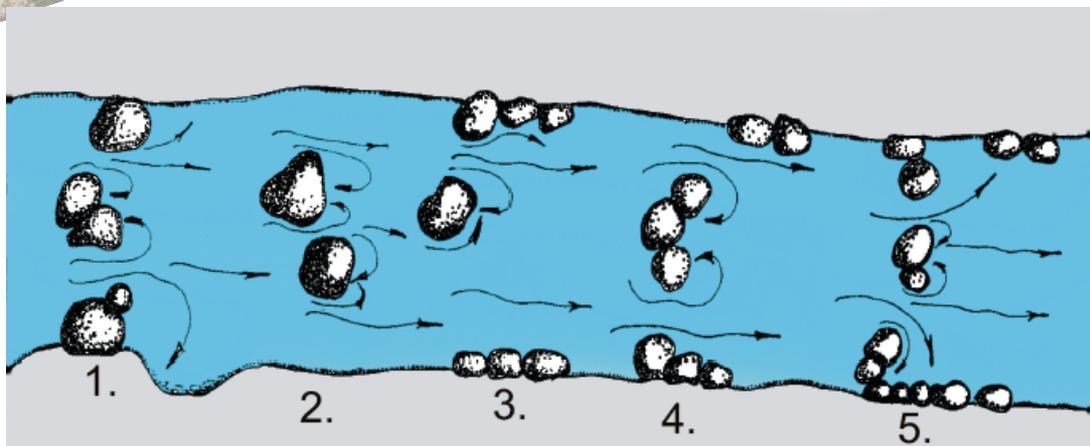


The Aim of the Initiative is Broader than the Title:

- ➔ **Support and increase Biodiversity in Rivers;**
- ➔ **Improve River functionality and self purification capacities (Green Structures);**
- ➔ **Improve functionality of River Coastal zone and maintain river landscape;**
- ➔ **Adapt possible Climate Change impacts on to the river ecosystem;**
- ➔ **Raise citizen awareness and motivation through practical involvement**



Leaflet produced on processes in rivers and how to install stones



1. Upē ievietota akmeņu rinda veicina nenostiprināta krasta izskalošanu - eroziju.
2. Atsevišķus akmeņus (diametrs > 30 cm) izvieto upes centrālajā daļā tā, lai tie nekļūtu par upes nestā materiāla „ķērājiem” un nenosprostotu vairāk kā 1/3 upes platumu.
3. Leļpus akmeņu veidojumiem krastā ir jāizvieto palielus akmeņus (diametrs > 30 cm), lai novērstu krasta izskalošanos - eroziju.
4. Lokveida akmeņu salikums - iespējamā zivju nārsta vieta.
5. Spārņveida akmeņu salikums, kurš novirza galvenās straumes virzienu tā pasargājot pretējā krasta izskalošanos.



Theoretical Training followed with practical activities





All are Winners. Result is Visible





Conclusions/ Tips

- Explain Your Message in a way that Your activity is adding value to owners property (Broad interpretation of Water quality);**
- Translate Your idea in Terms, that is important for Stakeholder,**
- Support and involve local “Opinion Leaders”**
- Let involved be proud about results achieved in “their” territory**



Thank You!

Vitrupe, 29.07.2014.

